



APPLICATION BRIEF

PHARMACEUTICAL DEIONIZED (DI) WATER

May 22, 2025

PROJECT OVERVIEW

Deionized (DI) water is a key ingredient in manufacturing nearly all pharmaceutical products, including oral, topical, and injectable medications. It is also used in other pharmaceutical applications, including cleaning, sterilization, and quality control. Its use ensures compliance with regulatory standards, enhances product quality, and protects patient safety by preventing contamination and ensuring formulation precision.

PRODUCT SOLUTION

FLOMEC's G3A series flow meters are excellent choices for pharmaceutical DI water applications where 3A certification is required. They come standard with a local display, pulse, and 4-20mA signal output for communication with other control devices.

The G3A series flow meter is among the most accurate pharmaceutical DI flow meters at $\pm 0.5\%$ rate of flow.

PRODUCT SPECIFICATIONS

G3A Series Flow Meter / 3A Standards:

The G3A Series High Precision Flow Meter is the most accurate of all the FLOMEC® Turbine Flow Meters. This meter meets the strict 3A Sanitary Standards using the "Third Party Verification" (TPV) program. Our methods of design, construction, and component traceability have been reviewed and approved. The internals of this flow meter are machined or polished to meet 3A self-draining and cleaning requirements (Ra 32).

- Flow Range: 6.7-330 GPM (25-1250 L/min)
- Fits pipe sizes 1 in., 1½ in., and 2 in.
- Accuracy of reading: $\pm 0.5\%$
- Working Pressure: Limited by fitting, clamp size, & temp.
- Max working temperature: -100°F to +225°F (-74°C to +107°C)
- Battery operated display – no wiring required
- Optional 4-20mA and scaled pulse available

